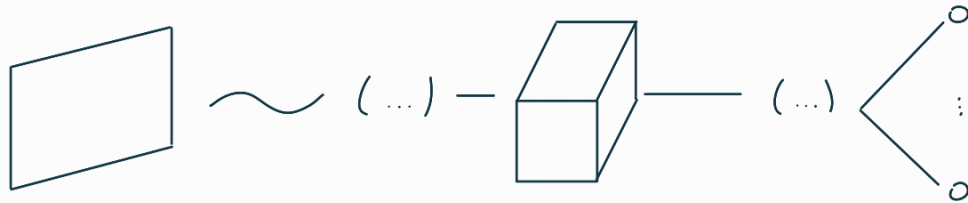


Transfer learning

Can we exploit the work that has been done in training a model instead of starting from scratch?
Can we transfer some of the information we obtain when training a model on one domain to a target domain? Yes, with **transfer learning**



fixed: this part learns
what "good features" are;
we don't have to repeat
this process

we can limit to
train the last (small) part

This is called **finetuning**: start from an already trained network and keep the first part unchanged; only update the last part to suit your problem

